

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Abrus precatorius*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(+)-ABRINE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	5-BETA-CHOLANIC-ACID	Seed	--	--		Wealth of India.
0	ABRALINE	Seed	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ABRANIN	Seed	--	--		Wealth of India.
0	ABRASINE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ABRICIN	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
9	ABRIN	Seed	--	1500		
0	ABRIN-A	Seed	--	--		Wealth of India.
0	ABRIN-C	Seed	--	--		Wealth of India.
0	ABRISIN	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ABRUQUINONE-A	Root	--	--		
0	ABRUQUINONE-B	Root	--	--		
0	ABRUQUINONE-C	Root	--	--		
0	ABRUSGENIC-ACID	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ABRUSGENIC-ACID-METHYL-ESTER	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ABRUSLACTONE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ABRUSOGENIN	Leaf	--	--		
1	ABRUSOSIDE-A	Leaf	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
1	ABRUSOSIDE-B	Leaf	--	--		
1	ABRUSOSIDE-C	Leaf	--	--		
1	ABRUSOSIDE-D	Leaf	--	--		
0	ABRUSSIC-ACID	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
30	ANTHOCYANINS	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ARACHIDIC-ACID	Seed	--	1350	-0.523657126151877	Wealth of India.
0	ASH	Leaf	17000	81000	-0.666900349430093	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	BEHENIC-ACID	Seed	--	1150	-0.5704762009192162	Wealth of India.
47	BETA-SITOSTEROL	Seed	--	--		Wealth of India.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	CALCIUM	Leaf	1266	2660	-1.0780176043339036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	CAMPESTEROL	Seed	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Leaf	137000	652000	0.3193001468713054	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
20	CHOLINE	Seed	--	--		=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
0	CYANIDIN-3-GLUCOSIDE	Seed	--	--		Wealth of India.
7	CYCLOARTENOL	Seed	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
9	DELPHINIDIN	Plant	--	--		J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	DELPHINIDIN-3,5-DIGLUCOSIDE	Seed	--	--		Wealth of India.
0	FAT	Seed	25000	28000	-1.2504053564151623	
15	FIBER	Leaf	37000	176000	0.17887729815176595	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
62	GALLIC-ACID	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
57	GLYCYRRHIZIN	Leaf	100000	100000		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
57	GLYCYRRHIZIN	Root	12500	12500	-0.8602992013175098	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	HYPAPHORINE	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	KILOCALORIES	Leaf	620	2950	-0.10974253882224531	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	LIGNOCERIC-ACID	Seed	--	650	-0.5382088899376138	Wealth of India.
27	LINOLEIC-ACID	Seed	--	3325	-0.8893446855364865	Wealth of India.
0	LINOLENIC-ACID	Seed	--	4875	-0.4947567342345914	Wealth of India.
0	N,N-DIMETHYL-TRYPTOPHAN	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	N,N-DIMETHYL-TRYPTOPHAN-METHO-CATION-METHYL-ESTER	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
18	OLEIC-ACID	Seed	--	12125	-0.8794255922658221	Wealth of India.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	P-COUMAROYL GALLOYL-GLUCODELPHINIDIN	Plant	--	--		J.S. Glasby Dict. Pls Containing 2ndary Metabolite. 1991.
13	PALMITIC-ACID	Seed	--	300	-0.6934110761449042	Wealth of India.
24	PECTIN	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PELARGONIDIN-3,5-DIGLUCOSIDE	Seed	--	--		Wealth of India.
0	PELARGONIDIN-3-GLUCOSIDE	Seed	--	--		Wealth of India.
0	PENTOSANS	Seed	92100	92100	0.2808070998676844	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PHOSPHORUS	Leaf	650	3095	-0.34524319928607444	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PICATORINE	Seed	--	--		=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
0	POLYGALACTURONIC-ACIDS	Seed	58600	58600		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PRECASINE	Seed	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	PRECATORINE	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	PROTEIN	Leaf	56000	267000	0.550223924536316	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Seed	194000	194000	-0.3540066301364682	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	STEARIC-ACID	Seed	--	1225	-0.5388117000042002	Wealth of India.
12	STIGMASTEROL	Seed	--	--		Wealth of India.
15	TRIGONELLINE	Seed	--	--		=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
8	TYROSINE	Seed	--	--		Zaidi, Z. H., Sdiqui, B. S., Naim, Z. 1971. Chemical Investigations of Seeds of Abrus precatorius. Pak. J. Sci. Ind. Res., 14: 350.
0	WATER	Leaf	790000	790000	-0.08799406702171589	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses